


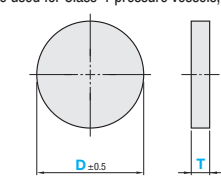
Round Glass Plates

Heat-resistant Crystallized Glass which has excellent heat resistant and strength is also available. Can be specified in 200 ~ 1mm increment.



No.	Configurable Type	Fixed Dimension Type	Material	Heat-resistant Temperature Continuous Use	Max.
①	FGLMF	GLMF	Float Transparent Glass (Soda-lime glass)	100 deg.	380 deg.
②	FGLMH	GLMH	Heat-resistant Glass (TEMPAX Float®)	250 deg.	450 deg.
③	-	GLMK	Reinforced Glass	210 deg.	250 deg.
④	FGLMR	-	Heat-resistant Crystallized Glass (Nextrema®)	700 deg.	850 deg.

Heat resistant temperature will be largely varied depending on the operating condition. Values are not guaranteed.
Cannot be used for Class-1 pressure vessels, Class-2 pressure vessels, or equipment specifically for high pressure gas.



Circumference Chamfering C0.3 ~ 1.0

T Tolerance		
Type	T Dimension	Tolerance
GLMF GLMK FGLMR FGLMF	3, 5	±0.3
	8	±0.6
GLMH FGLMH	3.3, 5	±0.2
	*10	±0.4

Configurable Type

Part Number	D
Type	Selectable
FGLMF (Float Transparent Glass)	3
	5
FGLMH (Heat-resistant Glass)	3.3
	5
	*10
FGLMR (Heat-resistant Crystallized Glass)	3
	5

20~300

Fixed Dimension Type

Part Number	D
Type	Selectable
GLMF (Float Transparent Glass)	3
	5
GLMH (Heat-resistant Glass)	3.3
	5
	10
GLMK (Reinforced Glass)	3
	5
	8
	10

50, 65, 80, 95
130
95, 110
110, 130
50, 65, 80
80, 95, 110, 130
110, 130, 160, 185

* FGLMH (heat resistant glass) with the part number T10 has an actual size of 10.2.

Ordering Example

Part Number - D - T
GLMH - 95 - 5

Part Number - D
FGLMF3 - 100

Configurable Type

Part Number	Type	T	Unit Price				
			D 1mm Increment				
FGLMF (Float Transparent Glass)	3	3					
		5					
FGLMH (Heat-resistant Glass)	3.3	3					
		5					
		10					
FGLMR (Heat-resistant Crystallized Glass)	3	3					
		5					

Fixed Dimension Type

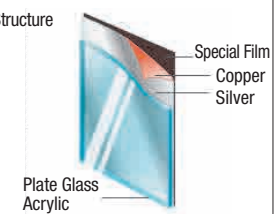
Part Number	Type	T	D	Unit Price
GLMF (Float Transparent Glass)	3	3	50	
			65	
			80	
			95	
			130	
			10	
GLMH (Heat-resistant Glass)	3.3	3	50	
			65	
			80	
			95	
			110	
			130	
	5	3	50	
			65	
			80	
			95	
			110	
			130	
8	3	3	50	
			65	
			80	
			95	
			110	
			130	
GLMK (Reinforced Glass)	5	3	50	
			65	
			80	
			95	
			110	
			130	
8	5	3	50	
			65	
			80	
			95	
			110	
			130	
160	5	3	160	
			130	
			160	
			185	

Properties of Material P981

Mirror Plates

Glass Type / Acrylic Type

Two types of mirror - Glass and Acrylic - are available for checking workpieces. A through hole or countersink can be specified as the mounting hole.



No Adhesive	Adhesive Type	Material	Heat-resistant Temperature Continuous Use
MRG	MRGA	Glass	80 deg.
MRA	MRAA	Acrylic	50 deg.

Heat resistant temperature will be largely varied depending on the operating condition. Values are not guaranteed.

Plate Glass Acrylic

Mirror Structure: Special Film, Copper Silver

Hole Machining Details

N (Through Hole): d = 5.5

P (Countersink): d1, d, h

Screw Nominal Dia. Selection: 3, 3.5, 7.5, 2

Standard Type: A ≥ B, Circumference Chamfering C1.0 ~ 2.0

Pre-drilled Type: 2H, 4H, 2-Screw Nominal Dia. Selection, N (Through Hole), P (Countersink)

Keep a dimension of 5mm or more between hole end and glass end.
The F Dimension tolerance of MRA and MRAA is ±1.0.

Standard Type

Part Number	T	1mm Increment
Type		A B
No Adhesive MRG MRA	3	10~300
With Adhesive MRGA MRAA		10~300

Property Comparison between Glass Mirror and Acrylic Mirror

Type	Weight	Scratch Resistance	Break	Heat Resistance	Chemical Resistance
Glass Mirror	Heavy (Specific Gravity 2.5)	○	Frangible	80 deg.	○
Acrylic Mirror	Light (Specific Gravity 1.2)	×	Hard to break	50 deg.	×

Pre-drilled Type

Part Number	Number of Holes	T	1mm Increment				Screw Nominal Dia. Selection	
			A	B	F	G	N (Through)	P (Countersink)
No Adhesive MRG MRA	2H 4H	3	10~300	10~300	9~241	9~241	5	3
With Adhesive MRGA MRAA								

Ordering Example

Part Number - A - B
MRG3 - 250 - 100

Part Number - A - B - F - G - Screw Nominal
MRG4H3 - 200 - 180 - F160 - G140 - N5

Glass Mirror

Part Number	A 1mm Increment	Unit Price				
		B 1mm Increment				
MRG No Adhesive	3	10~50				
	3	51~100				
		101~150				
		151~200				
		201~300				
MRGA With Adhesive	3	10~50				
	3	51~100				
		101~150				
		151~200				
		201~300				

Acrylic Mirror

Part Number	A 1mm Increment	Unit Price				
		B 1mm Increment				
MRA No Adhesive	3	10~50				
	3	51~100				
		101~150				
		151~200				
		201~300				
MRAA With Adhesive	3	10~50				
	3	51~100				
		101~150				
		151~200				
		201~300				

Hole Machining Charge

Pre-drilled Type Hole Machining Charge

N (Through Hole) P (Countersink)

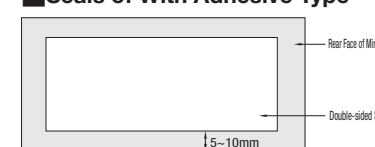
2H 4H

Pre-drilled Type Price = Standard Type Unit Price + Hole Machining Charge

(Ex.) Part Number - A - B - F - G - Screw Nominal >>
MRG4H3 - 200 - 180 - F160 - G140 - N5

(Standard Type Unit Price) + (Hole Machining Charge) = (Pre-drilled Type Price)

Seals of With Adhesive Type



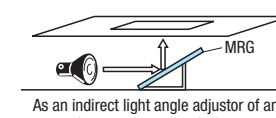
For easy attachment, the size of double-faced adhesive tape is smaller than that of the mirror. (Approx. 5mm ~ 10mm)

Mirrors are shipped without seal attached. Seal thickness is 2mm.

It may fall due to its own weight depending on its size. Avoid mounting only by the adhesive sheets.

Avoid use in the areas splashed with water, which may cause dirt and tarnishing on mirrors.

EX Example



MRG

As an indirect light angle adjuster of an image processing device